

## Steps to Run Webpage

### 1. Activate Virtual Environment

The screenshot shows the Visual Studio Code interface with the title bar "IITGN-Guesthouse-Management-System-main". The Explorer sidebar on the left shows a project structure for "IITGN-GUESTHOUSE-MANAGEMENT-SYSTEM...". The main editor area displays the Python file "app.py" containing code for a login function. The terminal at the bottom shows the command "PS C:\Users\Prati\Documents\Database\Assignment 3\Common\Frontend\IITGN-Guesthouse-Management-System-main> .\env\Scripts\activate (env)" being run. The status bar at the bottom right indicates "Ln 14, Col 1" and "Python 3.10.11 (env: venv)".

### 2. Install Requirements for app.py

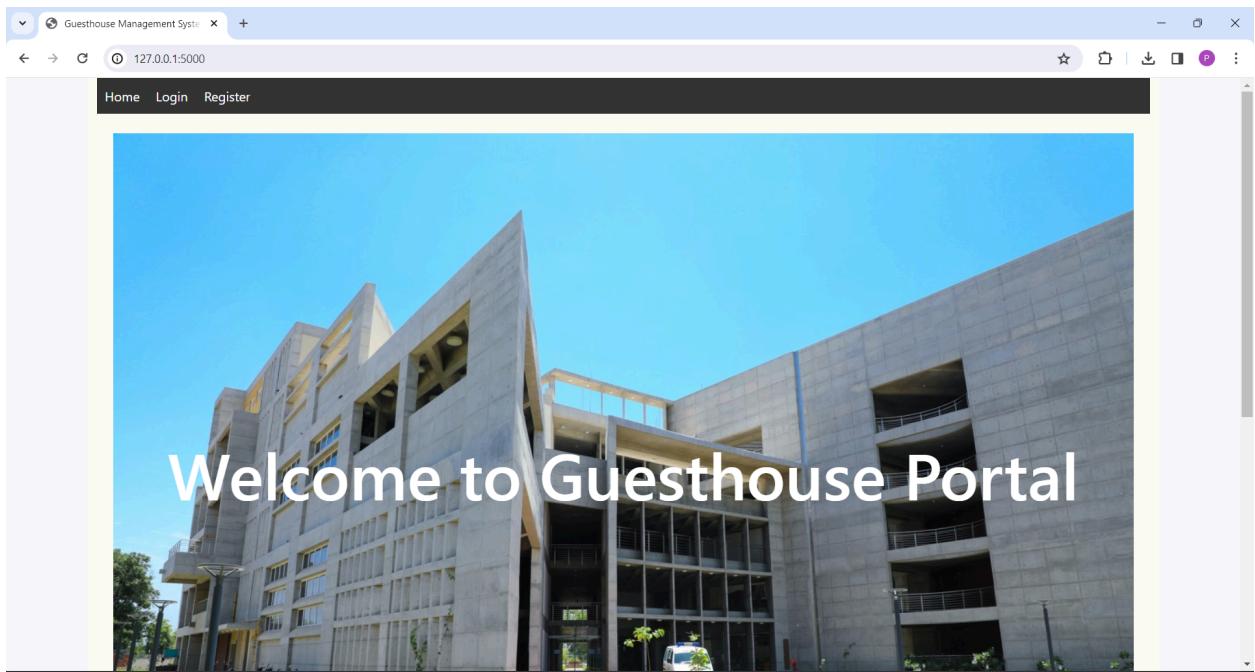
The screenshot shows the Visual Studio Code interface with the title bar "IITGN-Guesthouse-Management-System-main". The Explorer sidebar on the left shows a project structure for "IITGN-GUESTHOUSE-MANAGEMENT-SYSTEM...". The main editor area displays the Python file "app.py" containing code for a login function. The terminal at the bottom shows the command "PS C:\Users\Prati\Documents\Database\Assignment 3\Common\Frontend\IITGN-Guesthouse-Management-System-main> .\env\Scripts\activate (env)" followed by "PS C:\Users\Prati\Documents\Database\Assignment 3\Common\Frontend\IITGN-Guesthouse-Management-System-main> pip install -r requirements.txt". The status bar at the bottom right indicates "Ln 14, Col 1" and "Python 3.10.11 (env: venv)".

### 3. Run app.py, and move to link <http://127.0.0.1:5000/> on the web-page

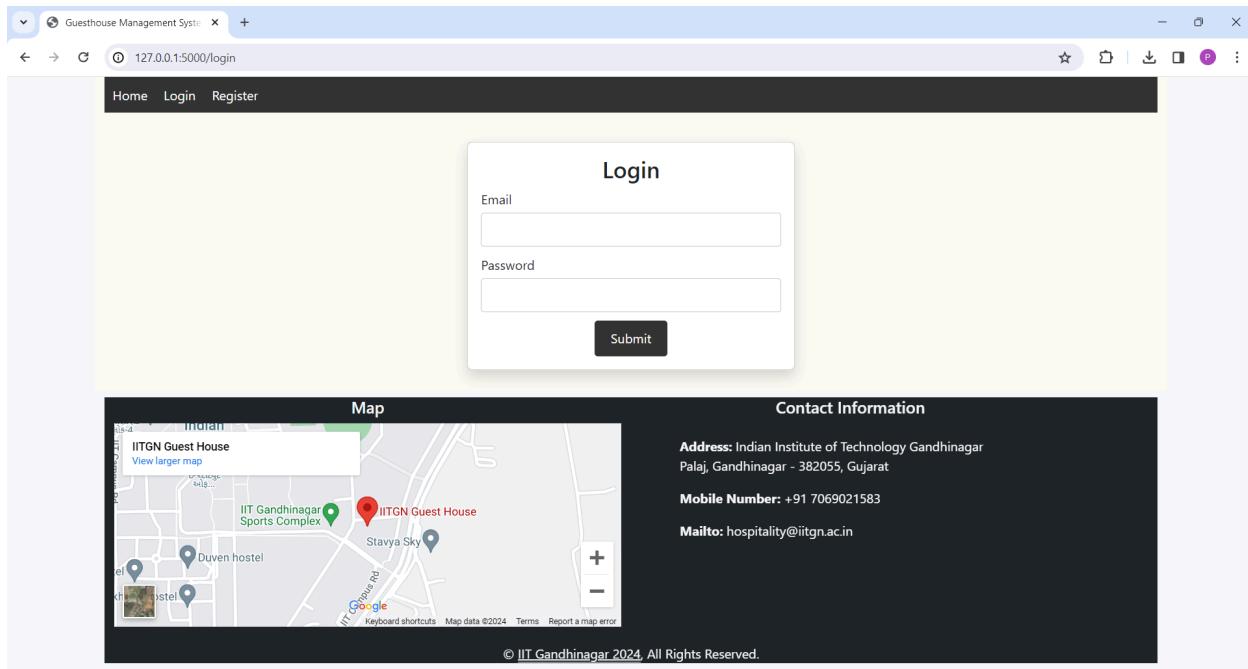
The screenshot shows a code editor interface with the file `app.py` open. The code implements a `login()` function that checks for users across different database models: `iitgn_guest`, `iitgn_member`, `housekeeping_staff`, and `driver`. It uses Flask's `flash` and `redirect` functions to handle successful logins. The code editor includes an Explorer sidebar showing project files like `admin.py`, `db.yaml`, and `forms.py`, and a Terminal tab showing the command to run the application.

```
32 def login():
33     user = current_guest.query.filter_by(email_id=form.email.data).first()
34     if user is not None and user.password == form.password.data:
35         login_user(user)
36         flash('Login successfull!', 'success')
37         return redirect(url_for('current_guest_dashboard'))
38
39     user = iitgn_member.query.filter_by(email_id=form.email.data).first()
40     if user is not None and user.password == form.password.data:
41         login_user(user)
42         flash('Login successfull!', 'success')
43         return redirect(url_for('iitgn_member_dashboard'))
44
45     user = housekeeping_staff.query.filter_by(email_id=form.email.data).first()
46     if user is not None and user.password == form.password.data:
47         login_user(user)
48         flash('Login successfull!', 'success')
49         return redirect(url_for('housekeeping_staff_dashboard'))
50
51     user = driver.query.filter_by(email_id=form.email.data).first()
52     if user is not None and user.password == form.password.data:
53         login_user(user)
54         flash('Login successfull!', 'success')
55         return redirect(url_for('housekeeping_staff_dashboard'))
56
57     user = driver.query.filter_by(email_id=form.email.data).first()
58     if user is not None and user.password == form.password.data:
59         login_user(user)
60         flash('Login successfull!', 'success')
61         return redirect(url_for('housekeeping_staff_dashboard'))
62
63     user = driver.query.filter_by(email_id=form.email.data).first()
64     if user is not None and user.password == form.password.data:
65         login_user(user)
```

#### 4. The Home Page of the Website is loaded



#### 5. Move to Login window to access the portal



After Login, based on your login credentials you will be redirected to:

1. Hospitality Staff Portal (Admin/Stakeholder)  
(example - email: [admin1@iitgn.ac.in](mailto:admin1@iitgn.ac.in) & password: 123456)
2. IITGN Members Portal (User)  
(example - email: [member1@iitgn.ac.in](mailto:member1@iitgn.ac.in) & password: 123456)
3. Current Guest Portal (User)  
(example - email: guest1@gmail.com & password: sC2k5&HS=9"H. )

Guesthouse Management System

127.0.0.1:5000/hospitality\_staff\_dashboard

Home Check In Travel Request Maintenance Request Reservations Billing Logout

Login successful!

### Landed on hospitality\_staff dashboard!

#### Occupied Rooms

Room Number	Guest ID	Guest's First Name	Guest's Last Name	Phone no	Email
101	94	Jobi	Dulinty	423-697-5032	None
109	21	Olivier	Joselovitch	763-247-0436	None
110	23	Goldarina	McMenamin	530-401-3909	None
112	34	Tudor	McGirl	515-573-6701	None
120	7	Portia	Freeth	850-710-7673	guest7@gmail.com

#### Assigned Open Maintenance Requests

Request ID	Description	Date when created	Housekeeping Staff ID	Status

## Hospitality Staff

Guesthouse Management System

127.0.0.1:5000/iitgn\_member\_dashboard

Home Logout

Login successful!

### Landed on iitgn\_member dashboard!



**Map**

Address: Indian Institute of Technology Gandhinagar  
Palaj, Gandhinagar - 382055, Gujarat

Mobile Number: +91 7069021583

Mailto: hospitality@iitgn.ac.in

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**Contact Information**

## IITGN Member Dashboard

**Welcome, Rob**  
Your Wifi Password is : aG2=\_VQW  
Open Travel Requests  
Closed Travel Requests

**Contact Information**

**Address:** Indian Institute of Technology Gandhinagar  
Palaj, Gandhinagar - 382055, Gujarat

**Mobile Number:** +91 7069021583

**Mailto:** hospitality@iitgn.ac.in

Map showing the location of IITGN Guest House and IIT Gandhinagar Sports Complex.

Current Guest Dashboard

## Screenshots of Successful execution of dynamic operations

### A. INSERT

#### a. Before Inserting Data

**Reservations**

[See all reservations](#)

**Make a Reservation**

IITGN ID: 21110166

Email ID: agrawalpratik@iitgn.ac.in

Number of People: 2

Check-in Date: 06-04-2024

Check-out Date: 08-04-2024

Room Type: Double

Specially Enabled Room Required:

Comments: None

Submit

Data to be Inserted

MySQL Workbench

Local instance MySQL80 X

File Edit View Query Database Server Tools Scripting Help

Navigator: Schemas

Query 1 X

```

1 • select * from hospitality_staff;
2 • select * from current_guest;
3 • select * from iitgn_member;
4 • select * from reservation;
5 • use guesthouse_db;

```

Result Grid

reservation_id	number_of_people	check_in_date	check_out_date	room_type	specially_enabled_room_required	comments	email_id
49	3	2023-09-13	2023-09-17	Twin Bed	0	augue vel accumsan tellus nisi eu orci mauris	49@gmail.com
50	4	2024-01-22	2023-12-13	Double Bed	1	laecus purus aliquet at	50@gmail.com
51	3	2024-04-06	2024-04-12	double	1	ow	HOLE
52	2	2024-04-06	2024-04-07	single	1	sdff	HOLE
53	2	2024-04-06	2024-04-13	suite	1	staf	HOLE
54	2	2024-04-06	2024-04-13	single	1	none	HOLE
HOLE	HOLE	HOLE	HOLE	HOLE	HOLE	HOLE	HOLE

Information: No object selected

Output: Action Output

#	Time	Action	Message	Duration / Fetch
14	15:03:36	select * from current_guest LIMIT 0, 50000	100 row(s) returned	0.000 sec / 0.000 sec
15	15:19:12	select * from hospitality_staff LIMIT 0, 50000	50 row(s) returned	0.015 sec / 0.000 sec
16	15:35:39	select * from iitgn_member LIMIT 0, 50000	1000 row(s) returned	0.000 sec / 0.000 sec
17	15:39:27	select * from hospitality_staff LIMIT 0, 50000	50 row(s) returned	0.000 sec / 0.000 sec
18	15:39:33	select * from current_guest LIMIT 0, 50000	100 row(s) returned	0.016 sec / 0.000 sec
19	15:47:35	select * from hospitality_staff LIMIT 0, 50000	50 row(s) returned	0.016 sec / 0.000 sec
20	15:49:43	select * from reservations LIMIT 0, 50000	Error Code: 1146. Table 'guesthouse_db.reservations' doesn't exist	0.031 sec
21	15:49:56	select * from reservation LIMIT 0, 50000	54 row(s) returned	0.016 sec / 0.000 sec

Object Info Session

Reservation ID only upto 54 entries

### b. After Inserting Data

Guesthouse Management System X

127.0.0.1:5000/hospitality\_staff\_dashboard/booking

Home Check In Travel Request Maintenance Request Reservations Billing Logout

Reservation created successfully! Reservation ID: 55

## Reservations

[See all reservations](#)

[Make a Reservation](#)

**Map**

**Contact Information**

**Address:** Indian Institute of Technology Gandhinagar  
Palaj, Gandhinagar - 382055, Gujarat

**Mobile Number:** +91 7069021583

**Mailto:** hospitality@iitgn.ac.in

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Reservation Successful Message with Reservation ID

The screenshot shows the MySQL Workbench interface with the following details:

- File Bar:** File, Edit, View, Query, Database, Server, Tools, Scripting, Help.
- Schemas:** current\_guest, driver, feedback, generates\_bill, hospitality\_staff, housekeeping\_staff, initiated\_travel\_req, maintenance\_reqes, makes, manages\_maintenan, manager\_reservation, past\_guests, requires\_maintanc, reservation, room, travel\_restant.
- Query Editor:** Shows a query named "Query 1" with the following SQL code:

```
1 • select * from hospitality_staff;
2 • select * from current_guest;
3 • select * from ltgn_member;
4 • select * from reservation;
5 • use guesthouse_db;
```
- Result Grid:** Displays the results of the last query, which is empty (0 rows). The columns are: reservation\_id, number\_of\_people, check\_in\_date, check\_out\_date, room\_type, specially\_enabled\_room\_required, comments, and email\_id.
- Output:** Shows the execution history with 23 entries, detailing each SELECT statement's execution time, action, message (e.g., "1000 row(s) returned"), and duration.
- Information:** Shows "No object selected".
- SQLAdditions:** A panel on the right containing "My Snippets" and other tools.

Reservation of ID 55 is added to MySQL database

## B. UPDATE

a. Before Update

Guesthouse Management System x | Guesthouse Management System x | Guesthouse Management System x +

127.0.0.1:5000/hospitality\_staff\_dashboard/maintenance\_requests

Home Check In Travel Request Maintenance Request Reservations Billing Logout

## Maintenance Requests

[See Closed Maintenance Requests](#)

### Open Maintenance Requests

Request ID	Description	Date Created	Time Created	Action
22	Curabitur at ipsum ac tellus semper interdum.	2023-03-12	04:30:22	<button>Close</button>
23	Nulla tellus. In sagittis dui vel nisl. Duis ac nibh. Fusce lacus purus, aliquet at, feugiat non, pretium quis, lectus.	2023-07-20	07:07:43	<button>Close</button>
27	Sed vel enim sit amet nunc viverra dapibus. Nulla suscipit ligula in lacus. Curabitur at ipsum ac tellus semper interdum.	2023-07-19	01:59:19	<button>Close</button>
46	Maecenas rhoncus aliquam lacus. Morbi quis tortor id nulla ultrices aliquet. Maecenas leo odio, condimentum id, luctus nec, malesuada sed, justo. Pellentesque libero massa diam.	2024-01-02	09:47:52	<button>Close</button>

### Create a Maintenance Request

Description

We will be updating Maintenance Request ID=23 to closed

### b. After Update

The screenshot shows a web browser window with three tabs all titled "Guesthouse Management System". The active tab has the URL [127.0.0.1:5000/hospitality\\_staff\\_dashboard/maintenance\\_requests](http://127.0.0.1:5000/hospitality_staff_dashboard/maintenance_requests). The page header includes links for Home, Check In, Travel Request, Maintenance Request, Reservations, Billing, and Logout. A success message "Maintenance request closed successfully!" is displayed in a green box. The main content area is titled "Maintenance Requests" and includes a link "See Closed Maintenance Requests". Below this is a section titled "Open Maintenance Requests" containing a table with five rows. The table columns are Request ID, Description, Date Created, Time Created, and Action. The descriptions in the table are placeholder text. Each row has a "Close" button in the Action column. At the bottom of the page is a form titled "Create a Maintenance Request" with a single input field labeled "Description".

Request ID	Description	Date Created	Time Created	Action
22	Curabitur at ipsum ac tellus semper interdum.	2023-03-12	04:30:22	<button>Close</button>
27	Sed vel enim sit amet nunc viverra dapibus. Nulla suscipit ligula in lacus. Curabitur at ipsum ac tellus semper interdum.	2023-07-19	01:59:19	<button>Close</button>
46	Maecenas rhoncus aliquam lacus. Morbi quis tortor id nulla ultrices aliquet. Maecenas leo odio, condimentum id, luctus nec, molestie sed, justo. Pellentesque viverra pede ac diam.	2024-01-03	09:47:52	<button>Close</button>
51	clean room 101	2024-04-26	09:41:55	<button>Close</button>

### Pop-up Indicating Maintenance Request Closed

The screenshot shows a web browser window with four tabs all titled "Guesthouse Management System". The active tab has the URL [127.0.0.1:5000/hospitality\\_staff\\_dashboard/maintenance\\_requests\\_closed](http://127.0.0.1:5000/hospitality_staff_dashboard/maintenance_requests_closed). The page title is "Closed Maintenance Requests". Below the title is a table with ten rows. The table columns are Request ID and Description. The descriptions in the table are placeholder text. Each row has a "Go Back" button in the bottom left corner. At the bottom of the page is a "Go Back" button.

Request ID	Description
2	Donec posuere metus vitae ipsum. Aliquam non mauris. Morbi non lectus.
7	Vestibulum ante ipsum primis in faucibus orci luctus et ultrices posuere cubilia Curae; Duis faucibus accumsan odio. Curabitur convallis.
11	Nullam sit amet turpis elementum ligula vehicula consequat. Morbi a ipsum.
12	Ut tellus. Nulla ut erat id mauris vulputate elementum. Nullam varius.
21	Integer posuere erat a ante venenatis dapibus posuere velit aliquet. Vivamus metus arcu, adipiscing molestie, hendrerit at, vulputate vitae, nisl.
23	Nulla tellus. In sagittis dui vel nisl. Duis ac nibh. Fusce lacus purus, aliquet at, feugiat non, pretium quis, lectus.
24	In tempor, turpis nec euismod scelerisque, quam turpis adipiscing lorem, vitae mattis nibh ligula nec sem. Duis aliquam convallis nunc. Proin at turpis a pede posuere nonummy. Integer non velit.
28	Suspendisse potenti.
33	Praesent id massa id nisl venenatis lacinia. Aenean sit amet justo. Morbi ut odio.

We can See Request ID=23 in Closed Maintenance Requests Section

```

MySQL Workbench - Local instance MySQL80 X
File Edit View Query Database Server Tools Scripting Help
Navigator: Schemas
SCHEMAS
Filter objects
hospitality_staff
housekeeping_staff
itgn_member
incm_bill
initiated_travel_requ
initiated_maintenance_requ
maker
manages_maintenan
manages_reservation
past_guests
requires_maintenance
reservation
room
travel_request
Views
Stored Procedures
Functions
Administration Schemas
Information
Table: maintenance_request
request_id description status date_created time_created housekeeping_staff_id
2 Donec posuere metus vitae ipsum. Aliquam non... closed 2023-09-19 22:50:03 8
7 Vestibulum ante ipsum primis in faubus pro... closed 2023-07-30 09:13:41 10
11 Nullam et amet turpis elementum ligula vehic... closed 2023-04-21 12:10:35 3
12 Ut tellus. Nulla ut erat id mauris vulputate eleme... closed 2023-07-19 13:31:57 7
21 Lorem ipsum dolor sit amet, consectetur adipis... closed 2023-07-19 09:36:01 7
22 Curabitur at ipsum ac tellus semper interdum. open 2023-03-12 04:30:22 8
23 Nulla tellus. In sagittis du vel nisl. Duis ac nibh... open 2023-07-20 07:07:43 6
24 In tempor, turpis nec euismod scelerisque, que... closed 2024-02-04 04:05:13 7
27 Sed vel enim sit amet nunc viverra dapibus. Null... open 2023-07-19 01:59:19 2

```

Action Output

#	Time	Action	Message	Duration / Fetch
26	16:09:29	select * from hospitality_staff LIMIT 0, 50000	50 row(s) returned	0.000 sec / 0.000 sec
27	16:09:30	select * from current_guest LIMIT 0, 50000	100 row(s) returned	0.000 sec / 0.000 sec
28	16:09:30	select * from itgn_member LIMIT 0, 50000	1000 row(s) returned	0.015 sec / 0.000 sec
29	16:09:30	select * from reservation LIMIT 0, 50000	55 row(s) returned	0.000 sec / 0.000 sec
30	16:09:30	select * from manages_maintenance LIMIT 0, 50000	14 row(s) returned	0.000 sec / 0.000 sec
31	16:09:30	use guesthouse_db	0 row(s) affected	0.000 sec
32	16:10:13	select * from requires_maintenance LIMIT 0, 50000	14 row(s) returned	0.000 sec / 0.000 sec
33	16:12:16	select * from maintenance_request LIMIT 0, 50000	19 row(s) returned	0.000 sec / 0.000 sec

In SQL Database we can see status for Request ID=23 is updated to 'closed'

## D. RENAME

### a. Before Renaming Password of Guest ID=4

Guesthouse Management System > Guesthouse Management System > 127.0.0.1:5000/current\_guest\_dashboard/change\_password

Home Travel Request Maintenance Request Show Bills Change Password Logout

Change your password

Old Password  
.....

New Password  
.....

Confirm Password  
.....

Submit

Map

IITGN Guest House  
View larger map

IIT Gandhinagar Sports Complex  
Duvan hostel  
Stavya Sky  
IIT Gandhinagar  
Keyboard shortcuts Map data ©2024 Terms Report a map error

Contact Information

**Address:** Indian Institute of Technology Gandhinagar  
Palaj, Gandhinagar - 382055, Gujarat

**Mobile Number:** +91 7069021583

**Mailto:** hospitality@iitgn.ac.in

Window to Change Password

MySQL Workbench

Local instance MySQL80 X

File Edit View Query Database Server Tools Scripting Help

Navigator: Schemas

SCHEMAS: hospitality\_staff, housekeeping\_staff, itgn\_member, incur\_bill, initiated\_travel\_requ, maintenance\_reques, manages\_maintenan, manager\_reservation, past\_guests, requires\_maintenance, reservation, room, travel\_request

Views Stored Procedures Functions

Administration Schemas

Information

Table: maintenance\_request

Columns: request\_id, description, status, date\_created, time\_created, housekeeping\_staff\_id

Query 1:

```

1 • select * from hospitality_staff;
2 • select * from current_guest;
3 • select * from itgn_member;
4 • select * from reservation;
5 • select * from maintenance_request;
6 • use guesthouse_db;

```

Result Grid | Filter Rows: | Edit | Export/Import: | Wrap Cell Content: | Result Grid | Form Editor

pincode	country	phone_no	guest_category	visit_purpose	itgn_id	room_no	email_id	password	first_login
300768	United States	619-670-1965	B	montes nascetur ridiculus mus etiam	761	124	guest1@gmail.com	abcdef	0
227348	United States	915-750-5313	B	arcu libero nubrum ac lobortis vel dapibus at	855	265	guest2@gmail.com	abcdef	0
552229	United States	513-855-2465	B	laculi justo in	689	244	guest3@gmail.com	ABCDEF	0
384627	United States	315-576-0286	B	ultrices mattis odio donec	535	197	guest4@gmail.com	newpass	0
191615	United States	240-580-9248	A	vitae nisl aenean lectus pellentesque eget nunc.	939	247	guest5@gmail.com	c17yvMfd>FM0	1
484601	United States	312-296-2463	B	sit amet eleifend pede libero quis orci nullam	917	216	guest6@gmail.com	kY8~^?GuX\$0	1
142361	United States	859-710-7673	A	integer a nibh	63	120	guest7@gmail.com	vG6+H8/dk\$	1
508511	United States	253-677-7768	C	ut erat curabitur	899	123	guest8@gmail.com	wE30@%b2hKt8`	1

current\_guest 26 X

Action Output:

Time	Action	Message	Duration / Fetch
28 16:09:30	select * from itgn_member LIMIT 0, 50000	1000 row(s) returned	0.015 sec / 0.000 sec
29 16:09:30	select * from reservation LIMIT 0, 50000	55 row(s) returned	0.000 sec / 0.000 sec
30 16:09:30	select * from manages_maintenance LIMIT 0, 50000	14 row(s) returned	0.000 sec / 0.000 sec
31 16:09:30	use guesthouse_db	0 row(s) affected	0.000 sec
32 16:10:13	select * from requires_maintenance LIMIT 0, 50000	14 row(s) returned	0.000 sec / 0.000 sec
33 16:12:16	select * from maintenance_request LIMIT 0, 50000	19 row(s) returned	0.000 sec / 0.000 sec
34 16:20:23	select * from itgn_member LIMIT 0, 50000	1000 row(s) returned	0.000 sec / 0.000 sec
35 16:20:48	select * from current_guest LIMIT 0, 50000	100 row(s) returned	0.000 sec / 0.000 sec

The initial Password of Guest 4 is ‘newpass’

### b. After Renaming Password for Guest ID=4

Guesthouse Management System X 127.0.0.1:5000/current\_guest\_dashboard

Home Travel Request Maintenance Request Show Bills Change Password Logout

Password changed successfully!

Welcome, Dyana  
Your Wifi Password is :  
Open Travel Requests  
Closed Travel Requests

Map

Contact Information

**Address:** Indian Institute of Technology Gandhinagar  
Palaj, Gandhinagar - 382055, Gujarat  
**Mobile Number:** +91 7069021583  
**Email:** hospitality@iitgn.ac.in

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Pop Up indicating password change is sucessful

MySQL Workbench

Local instance MySQL80 X

File Edit View Query Database Server Tools Scripting Help

Navigator: Schemas

SCHEMAS Filter objects

- hospitality\_staff
- housekeeping\_staff
- itgn\_member
- incur\_bill
- initiated\_travel\_request
- maintenance\_request
- makes
- manages\_maintenance
- manages\_reservation
- past\_guests
- requires\_maintenance
- reservation
- room
- travel\_request

Views Stored Procedures Functions

Administration Schemas Information

Table: maintenance\_request

Columns

- request\_id
- description
- status
- date\_created
- time\_created
- housekeeping\_staff\_id

Query 1

```

1 • select * from hospitality_staff;
2 •     select * from current_guest;
3 •     select * from itgn_member;
4 •     select * from reservation;
5 •     select * from maintenance_request;
6 • use guesthouse_db;

```

Result Grid

pincode	country	phone_no	guest_category	visit_purpose	itgn_id	room_no	email_id	password	first_login
300768	United States	619-670-1965	B	montes nascetur ridiculus mus etiam	761	124	guest1@gmail.com	abcdef	0
227348	United States	915-750-5313	B	arcu libero nulum ac lobortis vel dapibus at	855	265	guest2@gmail.com	abcdef	0
552229	United States	513-855-2465	B	iaculis justo in	689	244	guest3@gmail.com	ABCDEF	0
394627	United States	315-576-0286	B	ultrices mattis odio donec	535	197	guest4@gmail.com	appleisbetter	0
191615	United States	240-580-9248	A	vitae nisl aenean lectus pellentesque eget nunc ...	939	247	guest5@gmail.com	01234567890	1
484601	United States	312-296-2463	B	sit amet eleifend pede libero quis orci nullam	917	216	guest6@gmail.com	kY8~%?GuX\$D	1
142361	United States	850-710-7673	A	integer a nibh	63	120	guest7@gmail.com	vG6~ch8/dk\$	1
508511	United States	253-677-7768	C	ut erat curabitur	899	123	guest8@gmail.com	wE30@?b2hKtB`	1

SQL Additions My Snippets

Result Grid Form Editor

Object Info Session

In Database, the password is renamed to ‘appleisbetter’

## E. Where Clause

### a. Before applying where clause

Guesthouse Management System

127.0.0.1:5000/hospitality\_staff.dashboard/billing

Home Check In Travel Request Maintenance Request Reservations Billing Logout

**Billing**

[Generate a New Bill](#)

**Incurred Bills**

Guest ID

**Submit**

**Contact Information**

**Address:** Indian Institute of Technology Gandhinagar  
Palaj, Gandhinagar - 382055, Gujarat

**Mobile Number:** +91 7069021583

**Mailto:** hospitality@iitgn.ac.in

**Map**

The map displays the location of the IITGN Guest House on the campus of the Indian Institute of Technology Gandhinagar. Other nearby locations marked include the IIT Gandhinagar Sports Complex, Stavvy Sky, and various hostels like Duvven Hostel and Kothi Hostel.

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Generating Incurred Bills where Guest ID=1

```

MySQL Workbench - Local instance MySQL80 X
File Edit View Query Database Server Tools Scripting Help
Navigator: Schemas
SCHEMAS
gueshouse_db
Tables
assignment
bill
booking
current_guest
driver
feedback
generates_bill
hospitility_staff
housekeeping_staff
itgn_member
incurs_bill
initiated_travel_requ
maintenance_reques
makes
manages_maintenan
manages_reservatin
Result Grid | Filter Rows: | Edit: | Export/Import: | Wrap Cell Content: |
guest_id bill_id
18 61
93 62
▶ 64
19 64
88 64
68 66
16 67
35 67
85 67
incurs_bill 32
Object Info Session

```

We Can See the `incurs_bill` table that establishes relationship between `guest_id` and `bill_id`

### b. After applying where clause

Bill ID	Date when created	Bill Type	Amount	Payment Method	Paid Status
64	2023-12-03	Travel	1943	UPI	True
125	2023-07-24	Travel	4444	Cash	False
187	2023-08-24	Room	4391	UPI	False
361	2024-01-15	Food	3341	Net Banking	True
476	2023-09-03	Others	5583	UPI	True
514	2023-05-13	Room	4468	Debit Card	False
522	2023-11-17	Others	8340	Credit Card	True
776	2023-10-26	Travel	8426	Not Paid Yet	False

We Received a successfully generated popup, and all bills that are incurred by Guest ID=1

The screenshot shows the MySQL Workbench interface with a query editor window titled "Query 1". The SQL code in the editor is:

```

2 • select * from current_guest;
3 • select * from litgn_member;
4 • select * from reservation;
5 • select * from maintenance_request;
6 • select * from bill;
7 • select * from incur_bill;
8 • select * from incur_bill where guest_id =1;

```

The results grid displays the following data:

guest_id	bill_id
1	64
1	125
1	187
1	361
1	476
1	514
1	522
1	736
1	877

Below the results grid, the "Output" section shows the following log entries:

Action Output	Message	Duration / Fetch
35 16:20:48 select * from current_guest LIMIT 0, 50000	100 row(s) returned	0.000 sec / 0.000 sec
36 16:23:39 select * from current_guest LIMIT 0, 50000	100 row(s) returned	0.000 sec / 0.000 sec
37 16:40:26 select * from hospitality_staff LIMIT 0, 50000	50 row(s) returned	0.000 sec / 0.000 sec
38 16:45:52 select *from incur_bill LIMIT 0, 50000	992 row(s) returned	0.000 sec / 0.000 sec
39 16:49:12 select *from bill LIMIT 0, 50000	1000 row(s) returned	0.000 sec / 0.000 sec
40 16:50:17 select *from incur_bill LIMIT 0, 50000	992 row(s) returned	0.000 sec / 0.000 sec
41 16:52:46 select *from incur_bill LIMIT 0, 50000	992 row(s) returned	0.000 sec / 0.000 sec
42 16:53:22 select *from incur_bill where guest_id =1 LIMIT 0, 50000	12 row(s) returned	0.000 sec / 0.000 sec

We have segregated the bills that are incurred by Guest ID=1 in MySQL Database using the ‘where’ statement.

### 3. Contributions:

1. Gaurav Shah (Group Leader)
  - Created the design of the webapp for different views
  - Created dashboards for different views
  - Wrote code for the Backend part of the webapp
2. Soham Rahatal
  - Helped in the Backend part of the webapp; creating some pages for admin (hospitality\_staff dashboard)
  - Helped in the documentation part of the report
3. Pratik Agrawal
  - Completed the entire website Frontend, using the Bootstrap framework.
  - Designed Initial Sketches for the website and user interface.
  - Drafted Readme Report with explanations.
4. Rohit Srivastava
  - Attended Initial Meeting on website ideation
5. Banavath Diraj Naik
  - Attended Initial Meeting on website ideation
6. Sohitha Sonalika.
  - Attended Initial Meeting on website ideation
  - Designed Initial Contacts View

## 7. Shivamani

- Attended Initial Meeting on website ideation
- Created feedback page for admin (hospitality\_staff dashboard) view

Sub-groups:

G1: Pratik Agarwal, Rohit Srivastav, Banavath Diraj Naik, Sohitha Sonalika

G2: Gaurav Shah, Soham Rahatal, Shivamani

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The End

